

488 EDUCATOR

Strength Through Education **news**

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Chris Waples

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Message from Chris Waples Director of Education



Chris Waples

Merry Christmas and a Happy Holiday Season to all UA Local 488 Families!

The 2022-2023 school year at the Alberta Pipe Trades College has been extremely busy for the staff as demand for apprenticeship classes is surging and new training initiatives are continually being developed to help our students.

We are pleased to do our part in helping students succeed through The Educational Partnership Foundation's (TEPF) Trades Careers Introductory to Pipe Trades program in partnership with Edmonton Public School Board (EPSB). EPSB students will be attending 10 full-time weeks of training with our instructors exploring the pipe trades commencing January 31, 2023 and finishing April 14, 2023. Instructing, informing, and engaging Edmonton high school students about the qualities of the UA trades and the professionalism of the UA Local 488 is essential as our organization continues to grow into the future.

The first quarter of 2023 will be the launching of the new distance learning B Gas Upgrader program that UA Local 488 members can access to support their attempt

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Mission Statement

The mission of the UA Local 488 Education and Training Department is to equip the UA Local 488 and their signatory contractors with educational resources for developing the skills of their apprentices and journeypersons.

By facilitating the training needs of the membership, we maximize a member's employability and prepare them for changes in the industry.

We are committed to making training opportunities available allowing members to acquire new skills and remain competitive in the industry.

In this way, we are determined to meet the needs of the piping industry and enhance employment opportunities for our members, while remaining fiscally responsible to the beneficiaries of the fund.

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at challenging the Alberta B Gas Journeyman Certification. Please continue to watch for the official offering of this program to members.

UA local 488 continues to be a large supporter of Skills Canada Alberta as we promote and encourage our apprentices to showcase their skills to the world. The 2023 Skills Canada Alberta competition, which hosts

competitions in the Welder, Plumber, Steamfitter-Pipefitter, HVACR and Sprinkler Systems Installer will be held in Edmonton May 3-4, 2023. UA Local 488 member apprentices 21 years of age or younger interested in representing the UA please contact the Education Department (780) 488 1266. More information can be found at skillsalberta.com.

The UA Local 488 supplies Alberta industry with the most skilled and dedicated workforce available. The APTC continues to offer training and recognized certifications to all UA Local 488 members as they strive to be the very best tradesperson. Please take the time to contact your Education Department to see what they can do for you.

UA Local 488 Apprentice Scholarship

UA Local 488 apprentices may be eligible for an Apprentice Scholarship when he/she completes a level of their apprenticeship program. Apprentices may apply for their scholarship money with the Education Department after completing their level of apprenticeship program. The requirements an apprentice must meet to qualify for the scholarship are:

1. Must be a member in good standing at the time of attending Apprenticeship school or challenging the period exam.
2. Blue Book Stamped by the Apprenticeship Board OR AIT ID Card
3. Letter from Alberta Learning with your period marks
4. School Receipt (Tuition Fee)
5. Signed Promissory Note
6. Must have 1200 Local Union 488 Contractor Contributed hours.
7. If you are Journeyman, please bring your Journeyman letter from Alberta Learning or your Journeyman certificates. You will also be required to submit your UA Card so that we can send it to head office.
8. Apprentice scholarship may only be received within 2 years of completion of trade school dates.

Please contact the Education Department at 780-488-1266 or visit the UA Local 488 website at local488.ca/members/documents-forms for further information.



CLASSES START SOON!

Information at albertapipetrades.ca



NAUSC Online Foundations Program

The UA Foundations Program is designed for new and existing UA members to learn more about the organization they are a part of. This program provides insight to the world of trade unions, the structure of the UA and its core values. It will touch on the history and heritage of the United Association including labour history in North America. Participants will also learn about the benefits of a union membership, the importance of training, mentorship, and the apprenticeship process in Canada. UA Foundations will also cover the significance of diversity management and introduce participants to financial literacy for construction trades workers.

Students will have an understanding of:

- The Structure of the UA,
- The Heritage and History of the UA
- Benefits of union membership
- UA Training
- Apprenticeship in Canada
- Mentorship
- Diversity Management
- Financial Literacy

Access to the course is found at nausc.link/foundations. All members will need their UA Card number to login and access the materials. New members are automatically sent an invitation through our office. Your Local Training Director will be notified of your successful completion of this program.

instructor SPOTLIGHT



LEWIS HILL

My name is Lewis Hill and I am a Welding Instructor and Weld Examiner at Alberta Pipe Trades College. I joined UA Local 488 in 2004 and spent most of that

time working between fab shops such as Jacobs, Lockerbie & Hole, and Aecon. In 2009, I was fortunate enough to represent UA Local 488 in the UA Apprenticeship

Competition winning the National Competition in Vancouver, BC. I qualified to represent UA Canada internationally in Ann Arbor, Michigan in the welding competition from our brothers and sisters from the United States. Shortly after returning from Michigan, I passed my C-pressure, and then my B-pressure and subsequently, GMAW, SAW, GTAW, orbital GTAW, and SMAW downhand tickets. Most recently, I have attained my ABSA Weld Examiners certification..

Since joining Alberta Pipe Trades College in 2012, I have had the privilege of

teaching all levels of apprenticeship, CWB courses, Journeyman to B-Pressure courses, Tradewinds, and Introduction to Welding courses. I also help at our weld test centre as an ABSA Weld Examiner.

The cliché that teaching is a passion is probably overused, but it is true. I absolutely love what I do. I've been fortunate to be teaching my trade to people for the last 10 years and I honestly feel that we make a difference here. Our goal is to have the best welders available in our union, and I honestly believe we do that here, one class at a time.



EPRI Industrial Rigging and Crane Signaling Certification

For over two decades journeyman members with rigging experience have had the opportunity to obtain the EPRI Industrial Rigging and Crane Signaling Certification at the UA Local 488 training facilities. This certification is obtained from the UA Head Office and is recognized across North America by clients and contractors in Industry as the premier rigging certification in the marketplace. This certification has proven valuable for UA members performing rigging tasks safely and efficiently for our clients and contractors

Course Facts

Tuition: \$60.00 – eligible for reimbursement upon successful completion

Required Books: Extra Cost that is not eligible for reimbursement

Pre-Requisite: UA Journeyman member in good standing

The EPRI Industrial Rigging and Crane Signaling Certification program is 40 hours and offered Monday to Friday for one week.

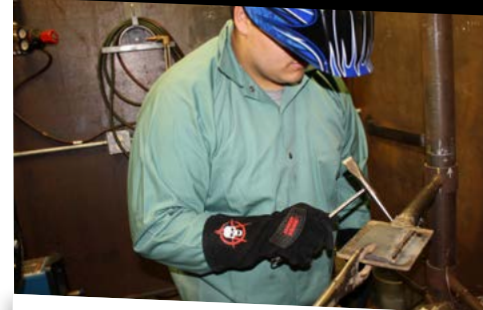
Students perform Industrial Rigging and Crane Signaling 120 question written exam with a passing score of 80% or better

Students perform Industrial Rigging and Crane Signaling Performance exam of 3 skill set lifts

Upon successful completion of both examinations, UA member has an EPRI Industrial Rigging and Crane Signaling certification and a Signal Person Certification, both are valid for 5 years.

UA Member is required to recertify their Industrial Rigging and Crane Signaling certification before their 5-year expiration date. UA Members are required to attend a minimum 4-hour review class and pass a 120-question written examination only with an 80% or better. No performance exam is required for recertification.

Please contact APTC at 780-488-1266 to register for the next offering.



free CLASS for 488 FAMILY UA MEMBERS

INTRODUCTION TO WELDING

**JAN 16-20 | FEB 13-17
MAR 27-31 | APR 10-14**

8 AM – 3:30 PM

Bring your family members and explore the fundamentals of a career in welding by practicing the safe use of welding equipment, trying wire feed welding and learning various fabrication processes. You will weld, meld and create. You will have access to proper safety training in both hand and industrial power tools regardless of your level of experience. Grab the tools, supplies, and get welding.

- Full Employment
- Diversity within the industry
- It pays well
- It's enjoyable work
- You learn valuable skills to use outside work
- Multiple career paths
- You can travel the world as a welder

**Free for all family members (sons, daughters, nieces, nephews, sisters, brothers etc.) of 488 members that are IN GOOD STANDING.*



APTC Welcomes Archbishop O'Leary Students

For many years the APTC has worked collaboratively with Archbishop O'Leary to offer their students the opportunity to learn the 1st period Common program and challenge the AIT first period Common exam. APTC worked with Archbishop O'Leary to develop the program and offer the college's space to facilitate some of their practical components required the AIT curriculum. We are proud to say that Mr. Jacques Gartner, a UA Local 488 member, is the high school teacher instructing the class at the high school. The students come to APTC 5 times per semester to utilize our facility and our fantastic instructional staff. We look forward to many more years supporting our Edmonton High Schools with trades training for their students.



EFT's Now Available

Edmonton Pipe Trades (EPT) is continually striving to best serve our membership and at the same time working hard to reduce our impact on the environment. We can reduce our carbon footprint, while implementing processes that are beneficial for our business and membership.

EPT is pleased to announce we are now able to remit payments electronically via online banking and Direct Deposit (Electronic Funds Transfer - EFT) for Work Ready Workforce Safety benefits and Apprentice Scholarship benefits.

This new service will reduce the possibility of fraud from lost or misdirected cheques and eliminate the uncertainties associated with the timing of payments, as you will know exactly when your funds will be transferred. The transfer dates for all EFT's will be the 1st and 15th day of every month.

If you wish to participate in EFT, please contact the EPT office or visit local488.ca/members/documents-forms/ for the updated forms.





Sprinkler Systems Installer Training

The National Sprinkler Industry JTAC is pleased to announce the online member learning management system (LMS) portal available to all current sprinkler journeypersons and apprentices under the National Road Sprinkler Fitter Collective Agreement at no cost to the UA Member.

This LMS will provide enhanced learning opportunities to the membership as well as provide a continual resource to the content from your personal computers and devices. This platform is not intended to replace in person training and critical hands-on experience currently part of upgrade training provided for this trade through your local training centres. This LMS will allow for a complementary

learning experience and provide distance and remote training opportunities at a self pace format along with additional instructor lead options that were previously not available to the membership.

Currently, there are courses available for member enrollment on the site with upcoming content to be continually added as it is developed. Your log in will land on your personal dashboard and allow access to the course catalogue, courses you have in progress and course results/certificates. We will continue to add course/materials along with manufacture-based training and certifications as they become available. Username and password for the NFPA all access will be maintained

under the resource tab. Please go to www.nationalsprinklerjtac.org to access the LMS portal.

Your username to login is your full name as it appears on your UA Card without spaces (do include any apostrophes and dashes where present) followed by underscore and your local number. For example: Taylor J Smith of Local 853 would have a username of taylorjsmith_853 (your password is your UA Card number).

The site will correspond through the current emails provided to UA head office. Be sure to check your profile settings when you log in and forward any corrections or changes to your email through your local training department.

Welder Performance Qualification Test

Welders in the pipe trade industry must have a basic understanding of many things, one of which is their welding Performance Qualification Card and the variables that apply. The illustration provides a more in depth look at the meaning of the information found on a PQ card.

"F" Numbers are assigned based on their usability characteristics


which determines the ability of the welder to make satisfactory welds with a given filler metal "P" Numbers are assigned based on comparable base metal characteristics such as composition, weldability and mechanical properties

Pressure Welders Regulation
(Alberta Regulation 169/2002)
- Prohibitions 2(1)

No person shall weld a boiler, pressure vessel, pressure piping system or fitting by any method unless the person holds a certificate of competency, including a performance qualification card, that specifically authorizes the person to weld the pressure vessel, boiler, pressure piping system or fitting

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Welder Performance Qualification Card

 <p>Edmonton Pipe Trades Educational Trust Fund AOQP No. _____</p> <p>WELDER PERFORMANCE QUALIFICATION CARD</p> <p>Name _____ File No. _____</p> <p><small>This card is issued pursuant to the Safety Codes Act and the Pressure Welders Regulation. The performance qualification is in accordance with Section IX of the ASME Code and subject to the limitations on the reverse side.</small></p> <p>Date of Test _____ Welder/Welding Operator Signature _____</p> <p>Welding Examiner Name _____ Card No. _____</p>	<p>PERFORMANCE QUALIFICATION Card No.</p>	
	<p>Process(es) _____</p> <p>Max Deposited Weld Metal Th. _____</p> <p>Filler Metal Group (F No.) _____</p> <p>Backing _____</p> <p>Progression _____</p> <p>P.Q. Expiry Date _____</p>	<p>Materials (P. No.) _____</p> <p>Minimum Pipe Dia. _____</p> <p>Positions Qualified _____</p> <p>Backing Gas _____</p> <p>Signature of Examiner _____ File No. _____</p>

A change in any of the variables listed on your performance qualification card will require additional welder performance testing to prove your ability to produce sound welds.

Process	SMAW – Shielded Metal Arc Welding GTAW – Gas Tungsten Arc Welding GMAW – Gas Metal Arc Welding FCAW – Flux Core Arc Welding MCAW – Metal Core Arc Welding
Material (P No.)	P No. 1 – Carbon Steel P No. 3 – 0.5 Moly or 0.5 Chrome/Moly P No. 4 – 1.25 Chrome, 0.5 Moly P No. 5A – 2.25 Chrome, 1.0 Moly P No. 5B – 5 Chrome, 0.5 Moly or 9 Chrome 1.0 Moly P No. 8 – Austenitic Stainless Steel P No. 41-47 Nickel
Max Deposited Weld Metal Th.	This is the maximum amount of deposited metal allowed, welders may not deposit a thickness greater than that indicated on their performance card.
Minimum Pipe Dia.	The minimum pipe diameter qualified to weld this is the actual pipe diameter as measured <u>NOT</u> the nominal pipe size (NPS)
Filler Metal Group (F No.)	F No. 3 – Steel & Steel Alloys F No. 4 – Steel & Steel Alloys F No. 5 – Steel & Steel Alloys (Stainless) F No. 6 – Steel & Steel Alloys (Stainless) F No. 21-26 – Aluminum & Aluminum Alloys F No. 41-46 – Nickel & Nickel Alloys F No. 51-56 – Titanium & Titanium
Position Qualified	1G – F – Flat 2G – H – Horizontal 3G – V – Vertical 4G – O – Overhead 5G – Pipe Horizontal Weld Vertical 6G – Pipe in 45 deg
Backing	Qualified with open root you will be able to weld with or without backing Qualified with backing material/plate you are restricted to welding with backing only Double welded groove welds are considered welding with backing
Backing Gas	Qualified with a backing gas you are restricted to welding with backing gas only Qualified without a backing gas you will be able to weld with or without backing gas
Progression	A change from upward to downward or from downward to upward in the progression specified for a vertical weld. Flat & horizontal welding progression is not applicable

course SPOTLIGHT



UPCOMING DATES

MONDAY - FRIDAY
8:00 AM - 4:00 PM

JAN 16-20

FEB 6-10

MAR 6-10

APR 17-21

AWWA Cross Connection Control Tester Certification

Certified by American Water Works Association (AWWA) www.wcsawwa.net, Cross Connection is commonly referred to as Backflow Prevention. Every facility contains multiple points of potentially potable water contamination. This course identifies those areas and provides the code interpretation and knowledge base required of Cross Connection Control Specialists.

You will learn how to determine the proper cross connection prevention device for an application, test the device and demonstrate the skill required to ensure public safety. Upon successful completion of this course and the AWWA examination, the student will qualify as a Cross Connection Control Tester.

Course Facts

Tuition: \$60.00 – eligible for reimbursement upon successful completion

Required Books: Extra Cost that is not eligible for reimbursement

The AWWA Cross Connection Control Tester Certification program is 40 hours and offered Monday to Friday for one week.

Students perform AWWA Cross Connection Tester 100 question written exam with a passing score of 75% or better.

Students perform AWWA Cross Connection Tester performance exam on 3 backflow devices.

Upon successful completion of both examinations, UA member has an AWWA Cross Connection Control Tester certification that is valid for 5 years.

UA Member is required to recertify their AWWA Cross Connection Tester certification before their 5-year expiration date. UA Members are required to attend a minimum 4-hour review class and pass a 50-question written examination only with an 75% or better. No performance exam is required for recertification.

Please contact APTC at 780-488-1266 to register for the next offering.

CLASSES START SOON!

Information at albertapipetrades.ca

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Upcoming Courses

1ST YEAR COMMON CORE

January 9 - March 3

3RD YEAR STEAMFITTER/ PIPEFITTER

January 9 - March 3

4TH YEAR PLUMBER

March 6 - April 28

2ND YEAR WELDER

March 6 - April 28

NAUSC

NAUSC CONTROLLED BOLTING

January 9-13
February 13-17
March 13-17
April 24-28

NAUSC SUPERVISOR I

January 16-20
February 27-March 3
March 27-31

NAUSC COLD CUTTING

January 23-25
February 22-24
March 22-24
April 4-6

NAUSC JOB STEWARD

February 1-3

Steamfitter-Pipefitter

EPRI INDUSTRIAL RIGGING

January 9-13
January 23-27
February 6-10
March 6-10
April 10-14

BASIC PIPEFITTING

January 30-31

PRACTICAL PIPEFITTING

January 6-17

RED SEAL STEAM UPGRADER

April 3-28

Welding

JOURNEYMAN TO B PRESSURE WELDING

January 9-20
March 20-31

INTRO TO WELDING

January 16-20
February 13-17
March 27-31
April 10-14

SAW

January 23-25

Plumber

CROSS CONNECTION

January 16-20
February 6-10
March 6-10
April 17-21

CROSS CONNECTION RECERT

January 27
February 21
March 17
April 10

RESIDENTIAL ROUGH IN

March 13-14

COMMERCIAL ROUGH IN

March 15-16

INTRO TO DRAIN CLEANING

April 17

COMMERCIAL FAUCETS AND FLUSHOMETERS

April 18

RESIDENTIAL FIXTURE SETTING

April 19

2020 NPC REFRESHER

April 24-28

Skills Programs

INTRO TO THREADING AND GROOVING

January 11

INTRO TO SOLDERING AND BRAZING

January 12

INTRO TO PROGRESS AND WRISBRO

January 13

Open your Options
with Alberta Pipe Trades College

Call 780-488-1266 or visit albertapipetrades.ca for full course offerings

